

## A NEW RUBUS FROM CONNECTICUT.

W. H. BLANCHARD.

***Rubus Andrewsianus***, n. sp. Plants pubescent with frequently a few stalked glands on the inflorescence and remarkably long, stout and numerous prickles. Inflorescence ending leafy branches.

*New canes.* Stems erect or recurving but never reaching the ground, 3 to 5 feet high, stout, often  $\frac{3}{8}$  in. in diameter, reddish on the upper side; branched in rich open places, glabrous, strongly 5-angled and furrowed. Prickles  $\frac{1}{4}$  of an inch long, 7 to 15 to the inch, straight, perpendicular to the stem and on its angles only. Leaves of moderate size, 8 in. long and 7 in. wide, 5-foliolate, dark yellow-green above with numerous appressed hairs, lighter below and velvety to the touch with abundant appressed pubescence. Leaflets oval, the middle one sometimes slightly cordate; outline entire, finely and doubly serrate-dentate, short taper-pointed, the upper ones rounded at the base, the basal ones cuneate, rather thick, about twice as long as wide, the middle one slightly wider. Petiole and petiolules grooved, stout, glands, covered with long soft pubescence and numerous strong hooked prickles in three rows continued in one row on the midrib; the petiolule of the middle leaflet about an inch long, those of the side leaflets about one-third as long, and the basal ones sessile.

*Old canes.* Erect, not pulled down by snow or weight of foliage or fruit, prickles intact. Second year's growth entirely of leafy branches generally one from each old leaf axil, somewhat zigzag, tipped with the inflorescence. Branch stems terete, slightly pubescent, prickles straight, slanting backward. Terminal branches 4 to 6 in. long with leaves mostly 3-foliolate, some unifoliolate, and ending in a short raceme pubescent with frequently a few stalked glands intermixed, quite regular, an inch long with 8 to 12 flowers on slender pedicels an inch long or less set at a great angle to their axis. Bracts small, never leafy-bracted. Lower branches often 20 inches long, the numerous leaves mostly 3-foliolate occasionally 5-foliolate, inflorescence scanty or wanting. Intermediate branches increasing regularly in length downwards and the amount of inflorescence on their tips as regularly decreasing. Leaflets oval or ovate, generally rounded at the base, pointed, the middle one stalked; outline

entire, pubescence, color and serration as in those of the new canes, prickles smaller. Flowers showy, 1 to  $1\frac{1}{2}$  in. broad, petals two-thirds as wide as long, abruptly narrowed into a rather long claw. Fruit normally short cylindrical, sepals not conspicuously reflexed, drupelets large and black; a typical good fruit being  $\frac{1}{2}$  in. high and  $\frac{9}{16}$  in. wide with 30 drupelets  $\frac{3}{16}$  in. in diameter. Not very productive. Flowers about June 15, the fruit ripe Aug. 15. An abnormal form with yellow crumpled leaves, blasted fruit and long sepals frequent in this species and not unknown in some others.

Type station "Lazy-lane," Southington, Conn. Ranges from Southwick, Mass., and Old Lyme, Conn., to Bedford Park, N. Y. City. Probably widely distributed. Open places in dry ground.

This stalwart plant I first found in Southwick, Mass., in August, 1903, near the depot. Journeying on foot I found it all the way to Southington, Conn. Mr. C. H. Bissell and Mr. Luman Andrews had it in their herbaria. In July, 1904, I collected it in Southington and Bristol and also in June and August, 1905. In June, 1905, I collected a plant in Bedford Park, New York City, which differs slightly from this having even longer prickles, middle leaflet on new canes ovate, and more quinate leaves on the old canes. It was common there. A specimen in the Gray Herbarium, numbered 116, collected by Dr. C. B. Graves June 12, 1900, at Old Lyme, Conn., is evidently this species as well as no. 288, one of the abnormal forms mentioned, collected by him at the same place Aug. 18, 1902.

It is with pleasure that I associate with this fine plant the name of Mr. Luman Andrews an enthusiastic and tireless collector and joint author with Mr. C. H. Bissell of the "Flora of Southington, Conn."

This blackberry can be readily distinguished at a glance by its formidable prickles and leafy branches tipped with flowers or fruit. It is not probable that any of the cultivated forms have sprung from this species.

WESTMINSTER, VERMONT.